

Amendments to the Claims:

This listing of claims will replace all prior versions of claims and listings of claims in the application:

Listing of the Claims:

Claims 1 – 27. (Canceled)

28. (New) A system for pumping fluid comprising:

a pump cassette that includes a pumping chamber, an inlet, an outlet, one or more fluid channels, and a flexible membrane that can be displaced to pump fluid within the pump cassette;

a chassis on which a control assembly is fixably attached, the control assembly having pneumatic channels for actuating the flexible membrane on the pump cassette;

a door hingedly mounted to the chassis, the door including a force assembly for pressing the pump cassette against the control assembly; and

a cassette receptacle interposed between the door and the chassis; wherein

the pump cassette can be supported by the cassette receptacle, and the cassette can be sealingly pressed against the control assembly upon closing the door and actuating the force assembly.

29. (New) The system according to claim 28, wherein the force assembly comprises a movable member that can be actuated after the door has been closed against the pump cassette and control assembly.

30. (New) The system according to claim 29, wherein the movable member comprises an expandable member.

31. (New) The system according to claim 30, wherein the expandable member can be pneumatically expanded.

32. (New) The system according to claim 31, further comprising a pneumatic circuit for controlling the expandable member.

33. (New) The system according to claim 30, wherein the expandable member comprises a bladder.
34. (New) The system according to claim 29, wherein the movable member is coupled to a piston assembly, the piston assembly capable of contacting the pump cassette.
35. (New) The system according to claim 28, wherein the cassette receptacle is movably coupled to the interior side of the door.
36. (New) The system according to claim 28, wherein the cassette receptacle is movably coupled to the control assembly.
37. (New) The system according to claim 28, wherein the control assembly comprises a gasket including a membrane capable of being displaced to operate the pump cassette.
38. (New) The system according to claim 37, further including a pneumatic control circuit for applying fluid pressure to displace the membrane.
39. (New) The system according to claim 37, wherein the control assembly includes a rigid plate to which the bezel is attached.
40. (New) The system according to claim 28, wherein the pump cassette further comprises at least one valve for regulating the flow of fluid within the pump cassette.
41. (New) The system according to claim 40, wherein the valve includes a pneumatically actuated flexible membrane.
42. (New) A system for pumping fluid comprising:
a pump cassette that includes a pumping chamber, an inlet, an outlet, one or more fluid channels, and a flexible membrane that can be displaced to pump fluid within the pump cassette;

a chassis on which operating means are fixably attached for pneumatically operating the pump cassette;

a door hingedly mounted to the chassis, the door including force means for applying force to the pump cassette to sealingly press the pump cassette against the operating means.

43. (New) The system according to claim 42, wherein the force means comprises a movable member that can be actuated after the door has been closed against the pump cassette and operating means.

44. (New) The system according to claim 43, wherein the movable member comprises an expandable member.

45. (New) The system according to claim 44, wherein the expandable member can be fluidically expanded.

46. (New) The system according to claim 45, wherein the expandable member is expanded by pressurized gas.

47. (New) The system according to claim 46, further comprising pneumatic means for controlling the expandable member.

48. (New) The system according to claim 44, wherein the expandable member comprises a bladder.

49. (New) The system according to claim 43, wherein the movable member is coupled to a piston assembly, the piston assembly capable of contacting the pump cassette.

50. (New) The system according to claim 42, wherein the cassette receptacle is movably coupled to the interior side of the door.

51. (New) The system according to claim 42, wherein the cassette receptacle is movably coupled to the operating means.
52. (New) The system according to claim 42, wherein the operating means comprises a gasket including a membrane capable of being displaced to operate the pump cassette.
53. (New) The system according to claim 50, further comprising means to disengage the pump cassette from the operating means upon opening the door.